

Title (en)

Process for producing pyrethrolone and its intermediate compound

Title (de)

Verfahren zur Herstellung von Pyrethrolon und Zwischenprodukt

Title (fr)

Procédé pour la préparation de pyréthrolone et son composé intermédiaire

Publication

**EP 0521449 B1 19961106 (EN)**

Application

**EP 92111034 A 19920630**

Priority

JP 16047191 A 19910701

Abstract (en)

[origin: EP0521449A2] Pyrethrolone of the formula [II], <CHEM> is produced by reacting a cyclopentenolone derivative of the formula [I], <CHEM> with zinc in an aqueous alcohol solvent. And the cyclopentenolone derivative of the formula [I] is produced by reacting a propargylcyclopentenolone derivative of the formula [III], <CHEM> with vinyl halide in the presence of a palladium catalyst, a copper catalyst and a tertiary amine. These processes permit easy production of pyrethrolone of the formula [II] and an intermediate compound of the formula [I] for the production of the pyrethrolone.

IPC 1-7

**C07C 49/743**; C07C 45/62; C07C 45/68

IPC 8 full level

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